

FORM PTO 1449 (modified)			ATTY DOCKET NO. 2003-1240	SERIAL NO. NEW	10/648,393		
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			APPLICANT Makoto AKIZUKI et al.				
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)			FILING DATE August 27, 2003		GROUP 1762		
Date Submitted to PTO: August 27, 2003							
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>BP</i>	AA	5,459,326	10/1995	Yamada			
	AB	5,110,435	5/1992	Haberland			
	AC	5,350,607	9/1994	Tyson et al.			
	AD	4,624,859	11/1986	Akira et al.			
	AE	4,066,527	1/1978	Takagi et al.			
	AF	4,882,023	11/1989	Wendman			
<i>✓</i>	AG	4,812,326	3/1989	Tsukazaki et al.			
<i>✓</i>	AH						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>—</i>	AI	—	—	—	—	—	—
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>BP</i>	AJ	"NEW HORIZONS IN MATERIALS PROCESSING WITH ICB", Isao Yamada, Proc. 14th Symp. on ISIAT '91, Tokyo, (1991), Ion Beam Engineering Experimental Laboratory, pp. 227-235. <i>(No month avail.)</i>					
	AK	"IRRADIATION EFFECTS OF A MASS ANALYZED GAS CLUSTER ION BEAM ON SILICON SUBSTRATES", Y. Yamashita et al., Proc. 1st Meeting on IESI '92, Tokyo, Ion Beam Engineering Experimental Laboratory, pp. 247,250. <i>(No month avail.)</i>					
	AL	"Irradiation effects of gas-cluster Co <sub>2</sub> ion beams on Si", I. Yamada et al., Nuclear Instruments and Methods in Physics Research B74 (1993) pp. 341-346. <i>(No month avail.)</i>					
	AM	"Surface modification with gas cluster ion beams", I. Yamada et al., Nuclear Instruments and Methods in Physics Research B79 (1993) pp. 223-226. <i>(No month avail.)</i>					
	AN	"A Method and apparatus for surface modification by gas-cluster ion impact", J.A. Northby et al., Nuclear Instruments and Methods in Physics Research B79 (1993) pp. 336-340. <i>(No month avail.)</i>					
	AO	"Cluster Formation in Expanding Supersonic Jets: Effect of Pressure, Temperature, Nozzle Size, and Test Gas", Hagena et al., The Journal of Chemical Physics, Vol. 56, No. 5, 1 March 1972, pp. 1793-1802.					
EXAMINER	<i>Pinao Star</i>			DATE CONSIDERED 5-4-4			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<u>BP</u>	AA	5,091,009	12/1989	Nogami et al.			
	AB	5,561,326	1/1993	Ito et al.			
↓	AC	5,527,731	6/1996	Yamamoto et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<u>BP</u>	AJ	4-354865	12/1992	Japan			X
	AK	5-102083	4/1993	Japan			X
	AL	60-14440	1/1985	Japan			X
	AM	63-38232	2/1998	Japan			X
↓	AN	6-224146	8/1994	Japan			X
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
<u>BP</u>	AO	"Micromachining with cluster ions", Henkes et al., Vacuum/volume 39, no. 6, pp. 541-542, 1989. <i>(No month avail.)</i>					
—	AP	—					
—	AQ	—					
EXAMINER <u>Pianalto</u>	"Cluster Formation in Expanding Supersonic Jets: Effect of Pressure, Temperature, Nozzle Size, and Test Gas", Hagena et al., The						

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Date 5-4-04